

Umetco Minerals Corporation



P.O. BOX 1029
GRAND JUNCTION, COLORADO 81502
(303) 245-3700

January 18, 1991

Utah Department of Health
Division of Environmental Health
Bureau of Water Pollution Control
P.O. Box 16690
Salt Lake City, UT 84116-0690

ATTN: Permits and Compliance Section

Re: UPDES Permit UT-0023922
Rim Mine
Umetco Minerals
Corporation

Dear Sirs:

Umetco Minerals Corporation hereby submits the fourth quarter 1990 discharge monitoring report for UPDES Permit UT-0023922 for the Rim Mine in San Juan County, Utah.

The total oil and grease concentration (1/90 day sample) and the average concentration for soluble Ra-226 were higher than the permit limits. During the fourth quarter, the discharge from the mine was extremely intermittent due to reduced seepage into the mine operation. It is conjectured that excess oil was introduced into the discharge system during the sampling period from the non-routine fluctuations of the water level in the underground collection sump, allowing traces of floating oil to be pumped to the discharge system from the water surface of the sump. The fluctuations in discharge rates may also be the cause of the high average Radium-226 concentrations, as the barium chloride addition is designed for a steady state flow throughput condition. This experience indicates that during periods of intermittent mine dewatering, operational controls will be instituted to monitor sump water level and to increase barium chloride addition, on a flow rate basis, to control discharge concentrations. At the present time, it doesn't appear that there will be a discharge during the first quarter of 1991.

If there are any questions, please contact me at 303-245-3700.

Yours truly,

Niels B. Haubold
Niels B. Haubold
Manager of Mines

Enclosure

Certified Return Receipt Requested
cc: U.S. Environmental Protection Agency
999 18th Street, Suite 500 8WM-C
Denver, Colorado 80202-2405

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Umetco Minerals Corporation
ADDRESS P. O. Box 506
Dove Creek, Colorado 81324

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)
UT-0023922 001
PERMIT NUMBER DISCHARGE NUMBER

Form Approved
OMB No. 2040-000-
Expires 3-31-88

FACILITY Rim Mine
LOCATION Section 27, T31S, R25E

MONITORING PERIOD
FROM
YEAR MO DAY TO YEAR MO DAY
90 10 1 90 12 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (34-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	SAMPLE MEASUREMENT	2.97	13.42	gpm	----	----	----		-	1/7	meter
	PERMIT REQUIREMENT	N/A	N/A								1/7
TSS	SAMPLE MEASUREMENT					18	30	mg/L	0	1/30	grab
	PERMIT REQUIREMENT					20	30				1/30
TDS	SAMPLE MEASUREMENT						704	mg/L	0	1/90	grab
	PERMIT REQUIREMENT					N/A	1000				1/90
Uranium-Nat. (Total)	SAMPLE MEASUREMENT					1.56	2.46	mg/L	0	1/30	grab
	PERMIT REQUIREMENT					2.0	4.0				1/30
COD	SAMPLE MEASUREMENT					24	24	mg/L	0	1/90	grab
	PERMIT REQUIREMENT					100	200				1/90
Oil & Grease	SAMPLE MEASUREMENT						67	mg/L	1	1/90	grab
	PERMIT REQUIREMENT					N/A	10				1/90
Zinc (Total)	SAMPLE MEASUREMENT						0.01	mg/L	0	1/90	grab
	PERMIT REQUIREMENT					N/A	0.12				1/90

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	Nils B. Haubold SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE		
N. B. Haubold Manager of Mines TYPED OR PRINTED			303 245-3700 AREA CODE NUMBER	91 01 18 YEAR MO DAY		

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Facility Name/Location if different
NAME Umetco Minerals Corporation
ADDRESS P. O. Box 506
Dove Creek, Colorado 81324

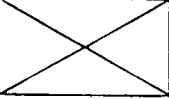
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)
UT-0023922 001
PERMIT NUMBER DISCHARGE NUMBER

Form Approved
OMB No. 2040-0004
Expires 3-31-88

FACILITY Rim Mine
LOCATION Section 27, T31S, R25E

MONITORING PERIOD
FROM YEAR MO DAY TO YEAR MO DAY
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(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT				7.3		7.6	I.S.	0	1/30	grab
	PERMIT REQUIREMENT				6.5	---	9.0			1/30	grab
Soluble Ra-226	SAMPLE MEASUREMENT					3.3	7.6	pCi/L	1	1/30	grab
	PERMIT REQUIREMENT					3	10			1/30	grab
Total Ra-226	SAMPLE MEASUREMENT					6.8	11.0	pCi/L	0	1/30	grab
	PERMIT REQUIREMENT					10	30			1/30	grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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TYPED OR PRINTED N.B. Haubold Manager of Mines			303 AREA CODE	245-3700 NUMBER	YEAR	MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
see cover letter